Please replace the paragraph beginning on page 19, line 27, with the following replacement paragraph:

Figure 1A illustrates a computer system 82 ~~operable~~ configured to implement various embodiments of the present invention. One embodiment of a method for implementing and representing synchronous reactive (SR) systems in a graphical program is described below.

Please replace the paragraph beginning on page 21, line 21, with the following replacement paragraph:

Figure 1B illustrates a system including a first computer system 82 that is coupled to a second computer system 90, where the computers systems are configured to implement embodiments of the present invention. The computer system 82 may be connected through a network 84 (or a computer bus) to the second computer system 90. The computer systems 82 and 90 may each be any of various types, as desired. The network 84 can also be any of various types, including a LAN (local area network), WAN (wide area network), the Internet, or an Intranet, among others. The computer systems 82 and 90 may execute a graphical program in a distributed fashion. For example, computer 82 may execute a first portion of the block diagram of a graphical program and computer system 90 may execute a second portion of the block diagram of the graphical program. As another example, computer 82 may display the graphical user interface of a graphical program and computer system 90 may execute the block diagram of the graphical program.

Please replace the paragraph beginning on page 23, line 14, with the following replacement paragraph:

Figure 3A is a high level block diagram of an exemplary system <u>configured to</u> execute or utilize graphical programs. Figure 3A illustrates a general high-level block diagram of a generic control and/or simulation system which comprises a controller 92 and a plant 94. The controller 92 represents a control system/algorithm the user may be trying to develop. The plant 94 represents the system the user may be trying to control. For example, if the user is designing an ECU for a car, the controller 92 is the ECU and the plant 94 is the car's engine (and possibly other components such as transmission, brakes, and so on.) As shown, a user may create a graphical program that specifies or implements the functionality of one or both of the controller 92 and the plant 94. For example, a control engineer may use a modeling and simulation tool to create a model (graphical program) of the plant 94 and/or to create the algorithm (graphical program) for the controller 92.

Please replace the paragraph beginning on page 23, line 26, with the following replacement paragraph:

Figure 3B illustrates an exemplary system ~~which may~~ <u>configured to</u> perform control and/or simulation functions. As shown, the controller 92 may be implemented by a computer system 82 or other device (e.g., including a processor and memory medium and/or including a programmable hardware element) that executes or implements a graphical program. In a similar manner, the plant 94 may be implemented by a computer system or other device 144 (e.g., including a processor and memory medium and/or including a programmable hardware element) that executes or implements a graphical program, or may be implemented in or as a real physical system, e.g., a car engine.